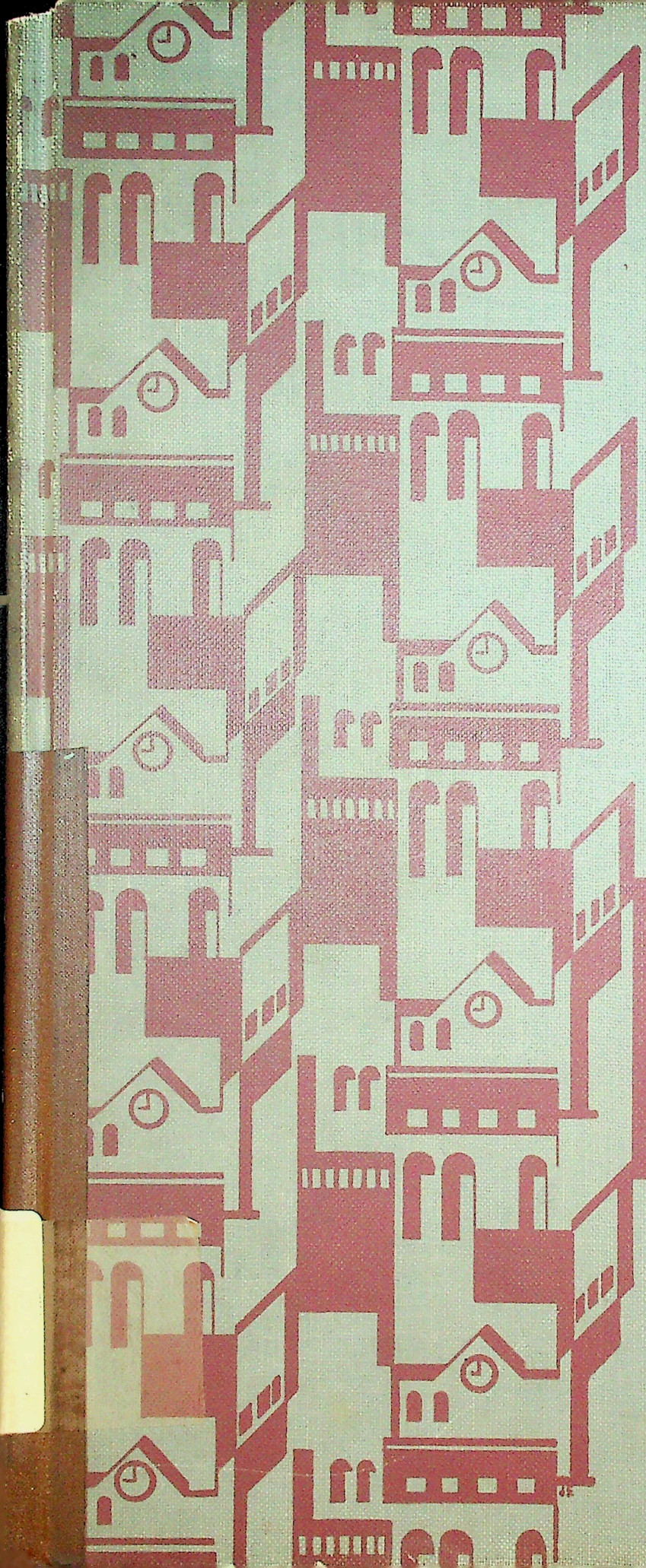

Cable

1945

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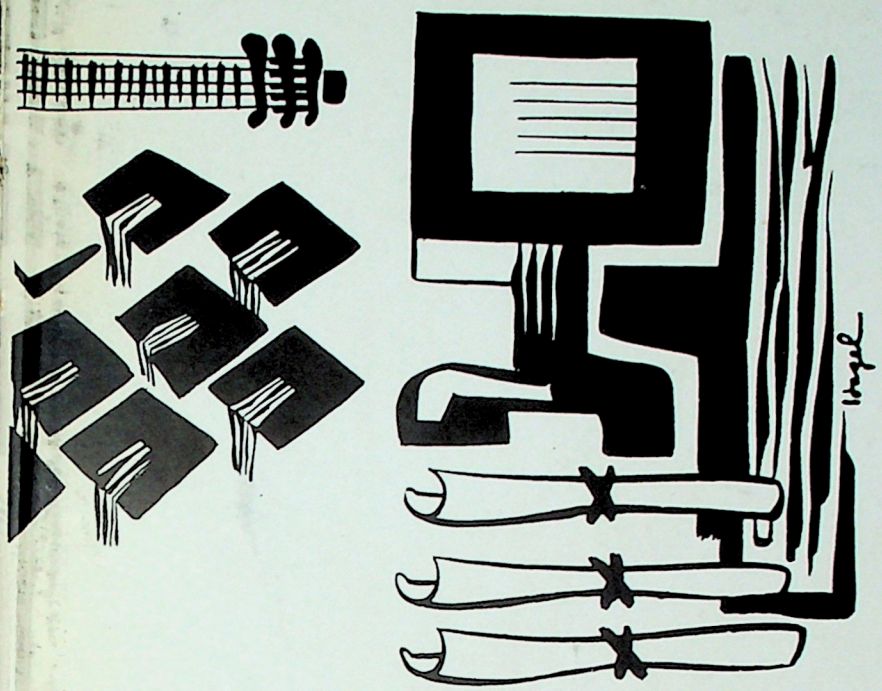


CABLE

teen hundred and forty-five

JEANNE M. REAM
Editor in Chief

JEROME BENTKOWSKY
Business Manager

IN MEMORIAM

GUY GAYLOR CLARK

In the middle of an April week already saddened by the death of President Franklin Delano Roosevelt, came the shocking news of the death of Guy Gaylor Clark, the Dean of the Art School.

Any one who had come into contact with him, and most of us had, felt that he had lost a good friend. He was always open to new ideas brought to him by the students, and ready to give helpful advice when we brought our problems to him.

For many years to come the new ideas he introduced in the Art School, such as the adaptation of the program to current needs, the introduction of the Humanities subjects, and projects, such as the sixth floor lounge, the completion of which he'll never see.

Cooper Union has lost a great man, not only an administrator with progressive ideas, but also an able and successful artist, and the ideal man to give us guidance in our first step towards an art career.

Blackstone

Bachrach

EDWIN S. BURDELL

GEO. F. BATEMAN

162344

Cooper Union Art & Architecture Library

Blackstone

WE DEDICATE

This CABLE is dedicated to a man whose vision and generosity have enabled us to find, in an ideal rural setting, recreation, good fellowship, and increase in knowledge. For us urban students, he has met that need which Robert Frost has called "the need of being versed in country things."

Ringwood has been a symbol of all that is good in our American history from its beginnings down to the present day. In the stirring colonial times, revolutionary patriots mined their iron and cast their cannon there; in the calm decades of the latter half of the nineteenth century, Peter Cooper and his children and grandchildren trod those green pastures.

Norvin Hewitt Green, a great-grandson of Peter Cooper, was born into this tradition. Out of his youth spent at Ringwood came a deep desire to dedicate part of those acres to the continued upbuilding of America to foster its greatest asset—its youth.

Fortunately indeed for us, in 1940 he responded whole-heartedly and munificently to the suggestion that the Home Farm and the wooded hills of the Ringwood Valley would make the perfect outdoor classroom for The Cooper Union. Mr. Green's constant interest in the development and enlargement of the Green Engineering Camp has won from all of us our deepest appreciation.

T R U S T E E S

The Board of Trustees is to The Cooper Union as the Board of Directors is to a corporation. The trustees act as the governing and policy making body of The Cooper Union. The Board, made up of five distinguished men: Gano Dunn, president; Elihu Root Jr., Walter S. Gifford, Barklie Henry, and Irving S. Olds, is self-perpetuating; when one trustee dies the remaining trustees choose a successor.

Gano Dunn was born in New York and graduated from C. C. N. Y. in 1889 and from Columbia University in 1891. He is a well-known electrical engineer. Mr. Dunn has received several honorary degrees and many awards. He is a director and trustee of numerous corporations and colleges, and he contributes papers on electrical and engineering subjects to scientific journals. Gano Dunn became a trustee of The Cooper Union in 1924 and was made President in 1935.

Walter S. Gifford was born in Salem, Mass. in 1885, and graduated from Harvard in 1905. Mr. Gifford is a well-known executive; he is the president of American Telephone and Telegraph, and is a director of U. S. Steel and other organizations. He has served on the directing boards of many charities (Red Cross, 1943, Greater New York Fund, 1938-40). Mr. Gifford has also written several books on economic problems. He became a trustee of The Cooper Union in 1931.

Elihu Root Jr., son of the great American statesman and lawyer, was born in New York in 1881. He graduated from Hamilton College in 1903 as a lawyer. He is director of several corporations and educational institutions and of the Metropolitan Museum of Art and of the New York Public Library. He is especially interested in art education. Mr. Root became a trustee of The Cooper Union in 1929.

Barklie Henry, born in Venton, N. J. in 1902, graduated from Harvard "Cum Laude," in 1924. He is the youngest of the Cooper Union trustees. He has become outstanding in service to the community and is notable in the field of hospital and welfare administration. Mr. Henry is also director of several concerns. He became a trustee of The Cooper Union in 1935.

To replace the vacancy caused by the death of J. P. Morgan, Irving S. Olds was elected to the Board of Trustees in 1933. Mr. Olds was born in Erie, Pa. in 1887. He received his B. A. in Yale in 1907, and his LL. B. in Harvard in 1910. Mr. Olds is a member of the New York State Chamber of Commerce, and is the manager of the New York Institute for the Education of the Blind. He is a trustee of numerous other organizations.

CLASSES

ENGINEERING

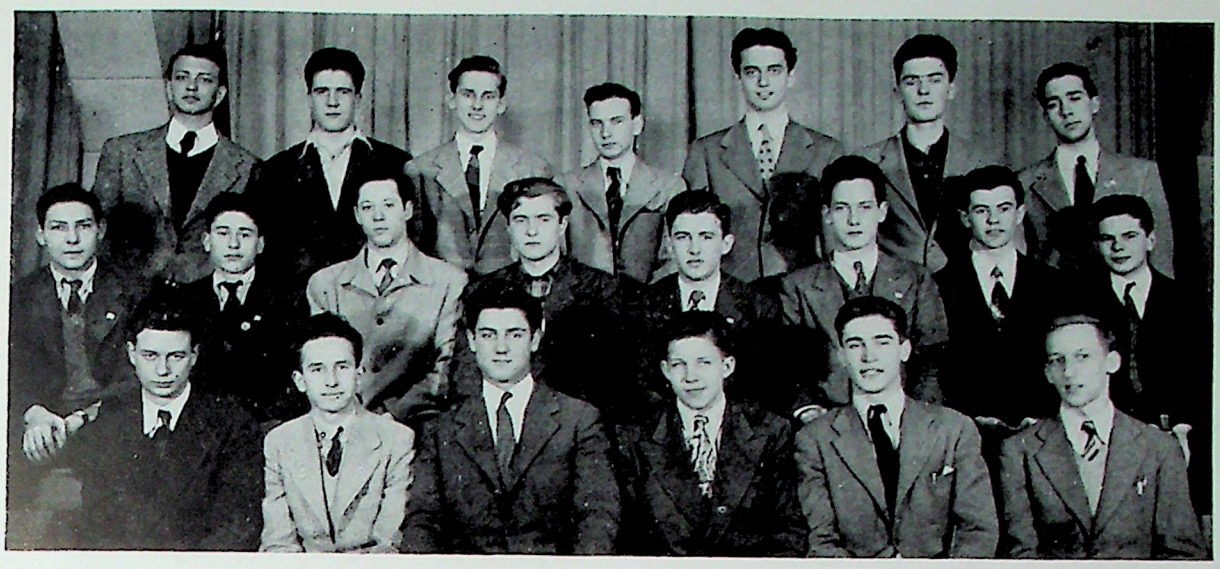
A year has passed, a year of broken test tubes, silent prayers over ink tracings, of Physics Laboratory Reports (it can be shown, etc., whereupon the red pencil marks began), of statistically determined Chem data, of weekends at Camp Green, and of diminishing classes. And in a year the Sophomores have changed from carefree high school students to acquiescent college students, to students who no longer cram for tests but who enter the exam room with the same stoic resignation as when Socrates drank the hemlock.

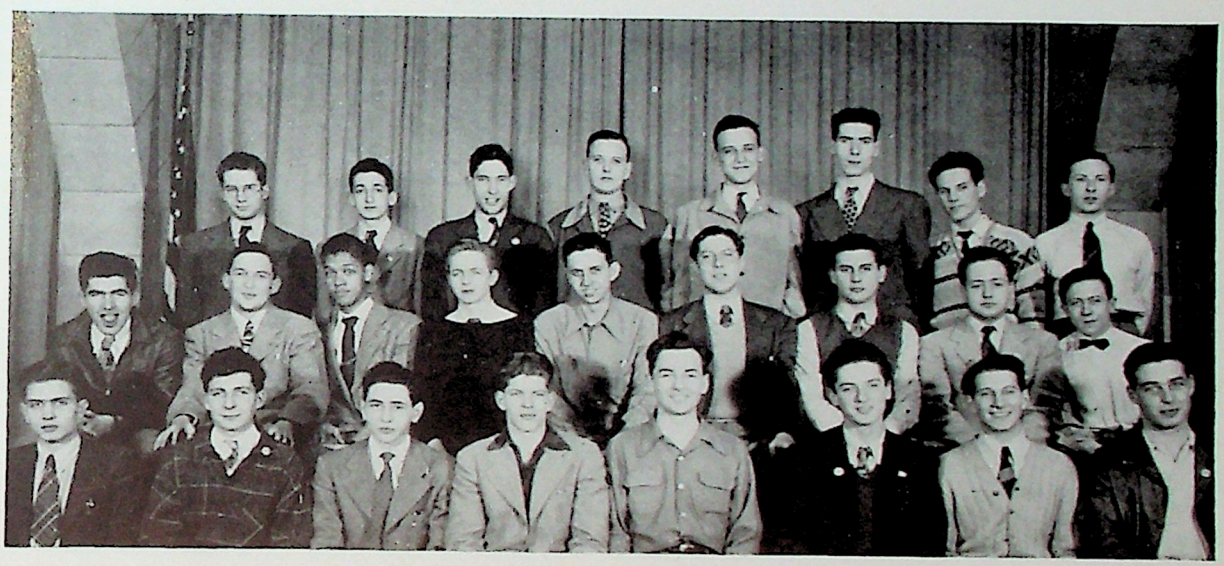
The Upper Sophomores, the spectacular "Eager Beavers" won that name because of a dynamic class spirit which made them capture the school's intramural athletic championships. Led by Nazarewicz, Saltz, Schwartz, and Silverman, the Beavers were able to win the baseball and football championships. Then Muni and Fine captured the water wings and there is Big Boy Reiffen who can still talk the best game of ping pong in any school. The Upper Sophs did not stop at sports; they founded a financial empire by manipulating the funds of Cooper. Trunk held the purse strings of the A.P., Bentkowsky budgeted the Cable while Dave Yampolsky grew rich as Pioneer business manager. Then Teitelbaum and 4.x Spiewak added discordant notes to the orchestra, and Polyn invaded the Art School. Finally the Beavers let out their secret weapon, Bier, who armed with a sparking screw driver blackened the walls of the Physics Lab and proved to Cooper that the Beavers could never be stopped (except on registration day).

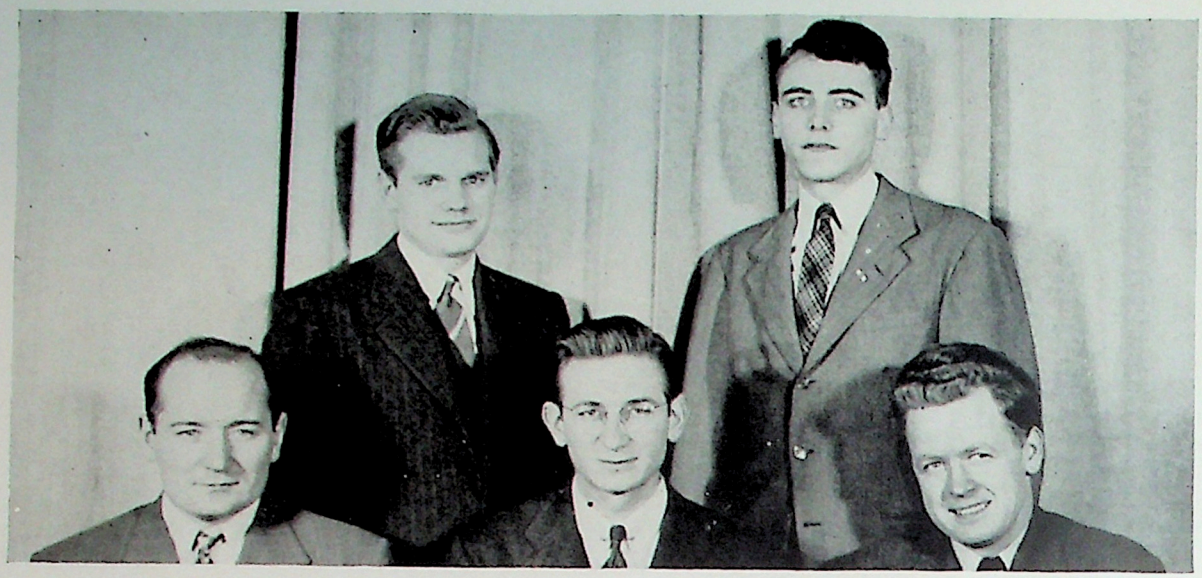
The Lower Sophomores, right behind the Upper Sophomores, demonstrated a similar collection of characteristic individuals. There is Eric Sussman, the prettiest and most intelligent (as determined in a poll) man-sized Turtil or is it turtle-sized man, and the J. P. Friedman whose first query in each new class is "Will we be responsible for this?" His second query is invariably "Why?" This remarkable foresight netted him the position of President of the Student Council. Millie Helfman, the pride of the C. E. Department, is also a great electrical genius. She is undoubtedly the only person who can burn out a voltmeter, reverse the current, and then burn the meter back to life again.

Last but not least is Harry Blumenthal. This ardent patriot nobly sacrificed the use of his leg to the war effort. It happened during the September between semester breathers, when a group of nature lovers went apple picking at Tivoli. Harry took the "we always get our apple" idea too seriously and went after the elusive fruit in a reckless way indeed. He wore his cast proudly, for not only had he done his bit for God and country, but he had proved Newton's laws of motion beyond the slightest doubt.

Cooper Union Library







CHEMICAL

Four distinctive persons compose the Q-8 chemical engineering class. There is Frank Miner (Port Chester's gift to Cooper), who is continually surprising his instructors with his odd expressions, as agulagabamon, bwoang ——. "I see, Prof. Sherman, you bwoang the methyl group off here and bwoang it on there."

And then there is Charlie Jones, who thinks it's great fun to squirt acid (concentrated sulfuric no less) at his neighbors. He also plans to obtain silver from potassium nitrate—any nitrate for that matter (except silver nitrate).

Zelenetz is one part, with Don Weinblatt the other part, of "you make them, we'll break them" lab team. This is following their policy of not allowing any of the apparatus in the chemical labs to become obsolete. When there was any danger of this happening, Weinblatt would set up the equipment so that Zelenetz could not fail to break it.

The amazing thing about the Q-7 Ch. E's is its surprising lack of characters. As Dave Saletan says: "It's not that we lack color, our color is just in the invisible region of the spectrum." Gerhart Kohn, however, drives the instructors crazy by going to sleep in class—and always in the front row. Then there's sleepy Rose Mellman who got to signing her reports, "Love, Rosie." (What did Mr. Deed think?) Dave Saletan's enthusiasm is without bounds; he goes into ecstasy over the miracles of science he discovers—whenever anything goes well in organic lab, you hear a yell such as "Oh Herb, look, it's boiling! ! !" (Amazing isn't it, a liquid boils at its boiling point.)

Herb Malbauer, who claims poor results in lab are due to the fact that Nick makes up the solutions in Russian, is leaving for the service. Good luck Herb, maybe now you can get some sleep.

But we mustn't forget Zelda Odes who may be seen imitating a Polish Baroness—cigarette in holder, elbow nonchalantly on knee, looking down on the dumb.

There you have the future chemical engineers. They live with one burning ambition—to graduate!

engineering

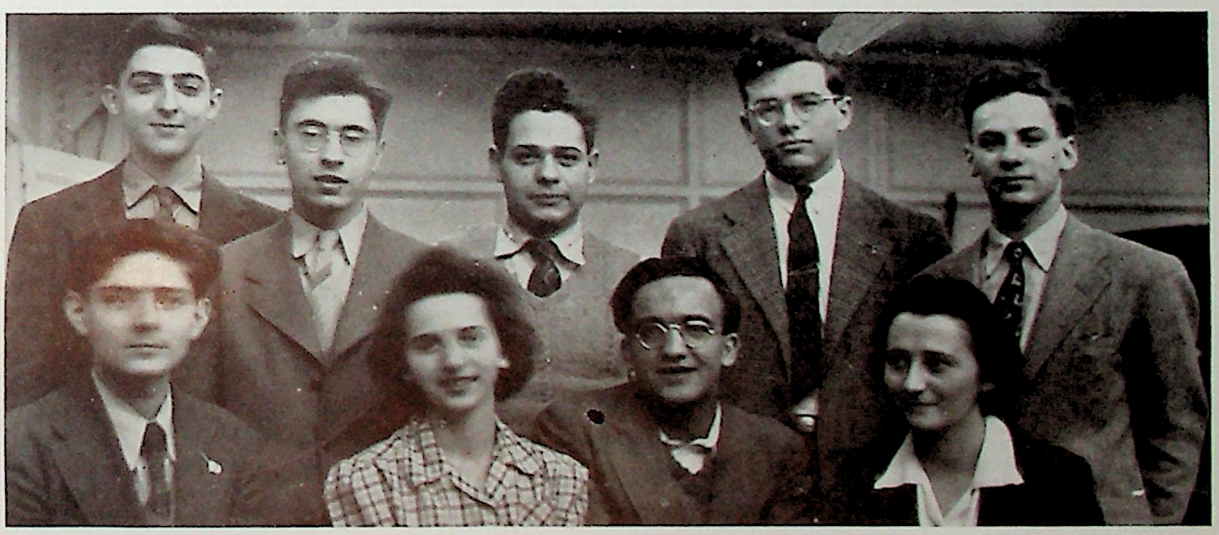
Three students represent an evening class which started out fifty strong in 1938. That year was the year when Chemical Engineering was enjoying its greatest popularity, so that the enrollment in this branch was unusually high. However, the present size attested to the quantity and quality of the curriculum together with the needs of Selective Service.

On entering The Cooper Union we all felt that the entrance exams marked the height of our endeavor and graduation was the natural result of attending class for six years. That idea was shortly dispelled when, as the years went on, we were made aware of our diminishing numbers.

The fifth year brought with it the embryonic chemical engineer's nemesis—Organic Chemistry. It was cheerfully pointed out to us that of the few million possible compounds, we would be responsible for only about five hundred. Despite this concession, only four of us entered the sixth year.

Wonderful sixth year, 83% Chemical Engineering, 0% Chemistry. This was the year of the Chemical Engineering Laboratory. For some of us this was our first contact with industrial equipment and it represented a fitting culmination to the years of theory we had accumulated. This was by far the most strenuous year for our wives and feminine acquaintances, for the majority of the laboratory reports had to be typed.

And now it is all over and most of us have already found employment in our chosen field, thanks to our school's fine reputation.



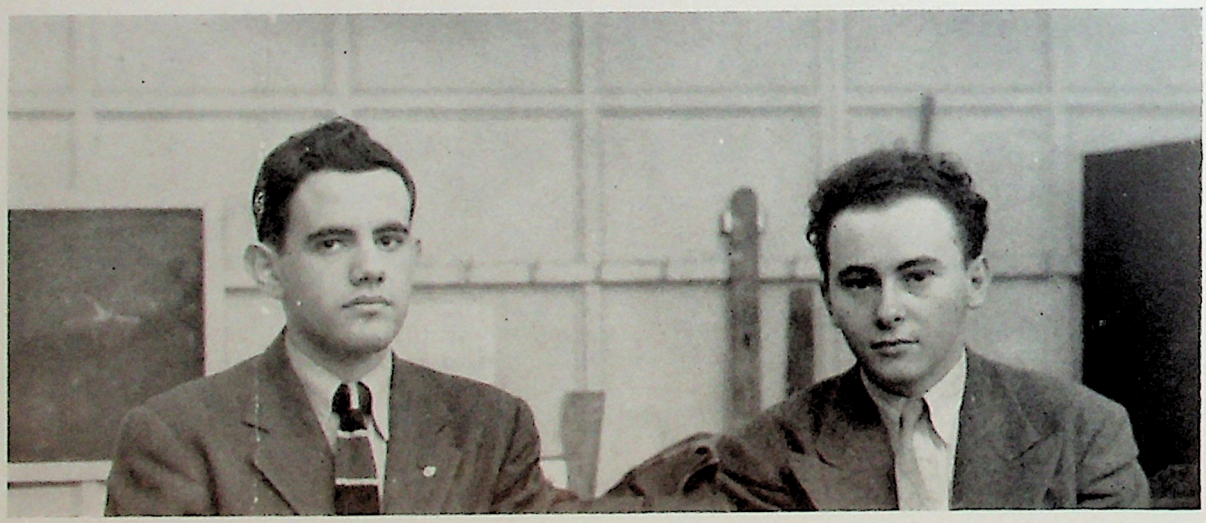
CIVIL

The present Civil Engineering class has the distinction of being outnumbered by the faculty of the Civil Engineering Department.

Civil engineering classes weren't always so small. At the Green Engineering Camp this past year, there were actually five people in the Topographic Surveying group.

However due to the draft our number has been decreased until only two of that group, Abe Blumberg and Fred Housley, are still at The Cooper Union; Abe Levine and Seymour Schulman entered the Navy at Great Lakes via the Eddy Test, and Jimmy Van Dort left for the Army. But Joe Schwartz, recently returned from the Army, has augmented the number of Civil Engineering students to three.

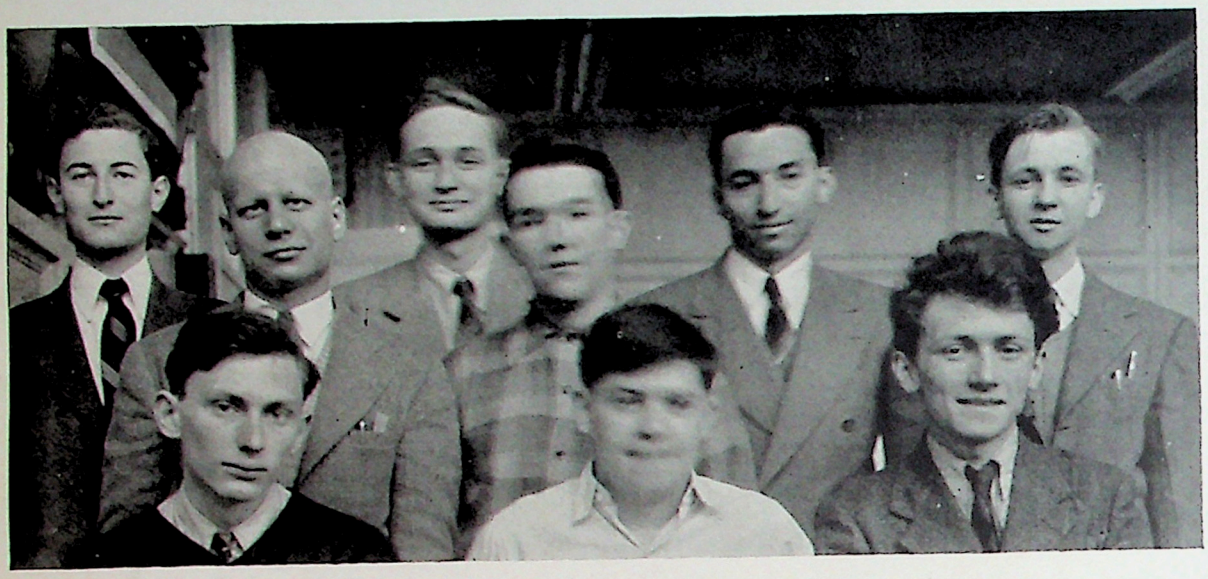
In June, 1944, the current Junior Civil Engineering class surveyed the Green Engineering Camp to obtain data for a map of the camp site. This map was supposed to be for the building of a pool at camp in the future. At camp, speculation ran wild as to how high the water from the pool will reach in the dormitory if the map



is used in the building of the pool. Abe Blumberg and Fred Housley believed that the water might reach to the second floor. But Abe Levine conservatively held out for the first floor. This year the route surveying group will be extremely shorthanded. Mr. O'Mara, in trying to alleviate this situation, has already offered his services as a machete wielder in the brushes. Meanwhile Abe Blumberg, the prospective Lone C. E., is considering how he can make a level rod stand up at a turning point while he rushes back to the level to take a backsight.

The night Civil Engineering class of '45 has also hit a new low in numbers. The class really seemed to break up after the summer camp in June, 1942. F. Delvers, R. Aaron, A. Garfinkel, J. Kruger, and J. Colombo entered the armed forces during that summer. Aaron Garfinkel has done some work with the Seabees on wharf and bridge construction in the South Pacific.

Joseph Yesselman was the only man taking the fourth year C. E. laboratory course. It was quite a picture seeing him operate the clutch and gear shifts of the testing machine with his feet, while watching the strain gauge and recording data at the same time. Professor Perez really had a time keeping this one-man squad busy. Joe was all by his lonesome self in most of the classes in the fifth year. With Joseph Ungerer in the Water Supply course, Mr. Williams had a grand total of two students and there was no trouble in taking attendance. In the sixth year, Joe had no elbow room, what with Mr. Athey back again and a good number of war-time participants. Joe Ungerer graduated after the first semester, which left only Yesselman and Athey taking the Mechanical Engineering laboratory courses. They were so shorthanded in the laboratory that Joe Ungerer volunteered to come in on the nights the tests were to be run.



The present E. E. class is the only group in school which is able to operate a circuit breaker without cringing. This important ability, which has fazed many less stout-hearted individuals was developed under the able supervision of Prof. Nudd in machines lab. The class, unable to find out why a motor would not turn when the switch was closed, checked and rechecked their circuit diagrams and wiring connections. Finally that intrepid adventurer Leo Bernbaum, after consulting his intrepid other self, Norman Austern, saw the breaker open and closed it. In measurements lab, the E. E.'s consistently produced good experimental results, but did so with certain unavoidable difficulties. Every time Roy Eason or George Dombrowski, two gentlemen with magnetic personalities, stepped into the lab, all the galvanometers failed to operate. A similar thing occurred when Hillman and Eisenberg were listening for a tone in the earphones, and all they heard was Gareth Davidson playing the harmonica.

The day of graduation has finally come and a piece of parchment is handed to the senior E. E., a degree of Bachelor in Electrical Engineering. It is just a piece of parchment, but it represents all of the hopes and all the dreams for the last six or seven or more years.

The senior looks at it and remembers the hundreds of good times that went by just because they would have affected school, or of the "girl friend" and wife who sat home because school came first, and of beautiful May and June weekends when walks were for others because a report was due for the coming week. There's a deep satisfaction in knowing he stuck to it instead of throwing in the sponge.

The graduating E. E. remembers also the first year with Chemistry, Descriptive Geometry (those elusive pierce points), the second year with Calculus and Physics E. and M. (the boys still claim that every time that instructor stroked his goatee he removed the charge from the nearby electroscope), the last sixth year with Engineering Economy, Communication II (they say they heard the chins scraping the Third Avenue pavement all the way over in Brooklyn when the first semester exam was finished), Power Plants, and Mechanical Engineering Lab ("Now when you take the indicator card, be sure to keep your nose away from the crosshead").

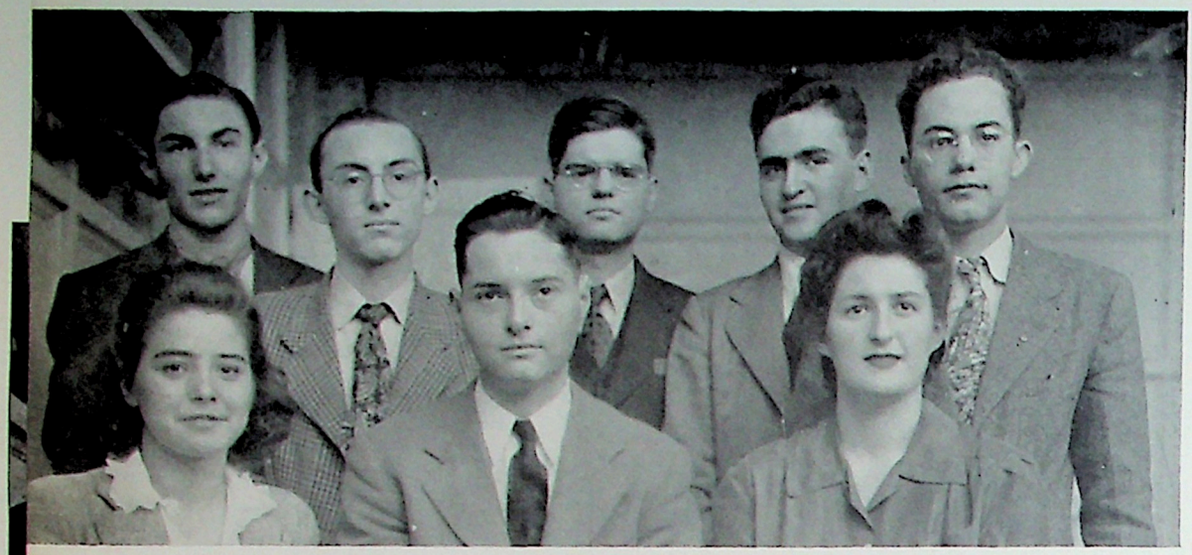
There are the memories of the fellows that were once in class but are now fighting in the four corners of the world. There were Herby Gradler, Len Prosbitsky, Mike Aisseu, Frank Hollenback and a host of others. And then the senior realizes it wasn't all "grind."

There was the bantering in class like Ted Cohen's straight faced cracks, George Gucker's "sad-sack" look as another report got the "bizniz," and Bill Horodeck's attempt to explain why the oscillograph pictures came out a perfect blank.

It's over now and the million and one things that the senior said he'd do can be done now. But he's a little sad, perhaps because Cooper has been "home" for the last six years, perhaps because of the many pleasant acquaintances, or perhaps because he knows he's leaving a friend in the form of the old bearded gent who gave him a chance to prove he could be an engineer—Peter Cooper.

ENGINEERING

electrical



To the many who have watched in awe-struck wonder, the progress of our class through the tortuous maze that is The Cooper Union, who have marveled at the patience, the endurance, and the fortitude with which we have borne the trials and tribulations encountered along our path, we now present the sum and substance of our philosophy: "and this too shall pass away."

There are eight of us who have been called upon with more or less frequency to resuscitate ourselves with our little slogan. We are Lenny (Doc) Goldman, David Friedman, Dion Haring, Eliott Kohn, Leo Kelberg, Sid Kravitz, Leslie Bernd, and of course—Phyllis Belous.

The occasions when we wished our forecast would come true have been many and varied. There was the 240 volt line connected across the 3 volt meter. There was the "reference" report handed in by mistake and the anxious afternoon waiting for the death knell. There were long nights spent at writing EE reports—or were they mornings?

These passed as we hope the months which are to come, and which will constitute the major trial of our stay at Cooper, will pass. What makes it interesting is the suspense—will we pass? Will we be graduated—January or June? Will we graduate? Will this too pass away?

MECHANICAL

Then years from now what we Night M.E's will remember most vividly about The Cooper Union won't be calculus, or heat power, or aerodynamics, but more probably exam nights, nights preceding exam nights, and lab reports. Naturally, those early years weren't all examinations. There used to be Art School Parties, where for a quarter or thirty-five cents you could take your pick, and there was a pick! There still is, but time and the M. E. Department wait for no man.

The labs were a lot of fun, too. There was E. and M. lab with the burned out meters and chem labs where we burned holes in our clothes and secondarily-studied chemical reactions.

Then we got a little further along to Thermodynamics and Heat Power, to M. E. lab where we learned that the mechanical equivalent of heat was a h—l of a lot of work. We made compressors compress and turbines turb.

It's pretty near the end now, and we're beginning to see the wisdom of the rule that no student can take the other course after graduation.

engineering

ART SCHOOLS

S E N I O R S

We third year day artists have many memories of our years at Cooper . . . three years of crowding into subways and buses with illustration boards and paint boxes during rush hours—of lunches in the basement, lounge, Adler's, Sagamore, or on the back steps facing Peter's statue . . . three years of spending weekends doing homework (?) . . . and we'll never be the same.

Why we can remember back to our first year, when most of the boys were still around, and we were full of energy and noise, and mischief, as Miss Schutz will testify. She remembers the time we had a fake mouse run across the blackboard —and who will forget the day of suspense when we waited for Stanley to bite into his plaster sandwich.

Our second year was quieter, as we settled down to learn how to make good artists and architects. Most of us found summer jobs doing art work. Some like Elsie Lutge, Charlotte Barber, Joan Fenton, and Phyllis Ensellberg didn't return to day school, though a few are now in night school keeping Mintz company.

The architects, Elaine Frank, Henrietta and two Thelmas were to be seen in the building at all hours of the day or night. Whenever the four tallest girls would roam in a group, we knew it was Jean Duncan, Pauline, "Chick," and Bernice Bussat.

One of the biggest events of this year was Helen Lehto's wedding to her "Charles," former Cable editor.

We think we were a pretty unusual class, but aren't all classes unusual at Cooper?

We, the remaining students of the fourth year night art course want to go on record with just a humble "thanks." We know that the majority of the students who did not reach their goal are now either in the armed forces, or have been killed by the traffic on Eighth Street and Fourth Avenue.

Among the survivors are three Cohens, Adeline, Millicent and Stanley. They positively swear they're not related.

Then there's Ethel Jones and Miriam Lager who remind us of ethyl gas and lager beer. Our Elizabeth Browning is not much of a poetess, but she has compensating qualities. Grace Adams and Olga Glosick are going steady. Sara Sakalian, the AP and Red Cross solicitor, can't understand why people grab their wallets and flee as she approaches. Ann Magdits just got her man back from the South Pacific, but why is she still keeping that picture of Mr. Cantor? We also have Estelle Wolsk, alias Dorothy Dix, and Blanche Nachsate and Gwendolin Tunick, the Golddust twins. Two of the remaining male students, Leonard Friedman and Morris Zelkowitz, are trying to make up for the manpower shortage.

To close we'd like to repeat: thanks, Cooper Union.

THIRD YEAR DAY, TOP ROW: R. Burnaford, B. Busatt, D. Wise, J. Ream, S. Ruvidich. MIDDLE ROW: J. Ceribelli, B. Monat, S. Low, J. Falcon, S. Hagel, H. Lehto-Erway. FIRST ROW: T. Sitzer, F. Vickery, P. DeTomaso, E. Unger.

FOURTH YEAR NIGHT, TOP ROW: M. Zelkowitz, A. Cohen, A. Speiser, V. Romaner, L. Freeman. MIDDLE ROW: O. Glosick, E. Wolsk, B. Nachsatz, S. Berkeley, A. Lesser, E. Browning, E. Singer. FIRST ROW: A. Rynas, H. Pappas, L. Rose, A. Magdits, M. Pesce, S. Sakalian, I. Giustino.

SECOND YEAR

After four long summer months away from Cooper, we second year day students were happier than ever to see the Foundation building again. This time we were oldtimers and tried to look nonchalant about seeing all the things we had missed during the summer. We were Sophs now, or even Juniors, if one remembers that we had only one year more to go.

Our first sensation was one of surprise and disappointment when we failed to see some of our old classmates. The services claimed Jerry Mandelbaum, Sol Lombino, Pete Palazzo, Marv Glass and others.

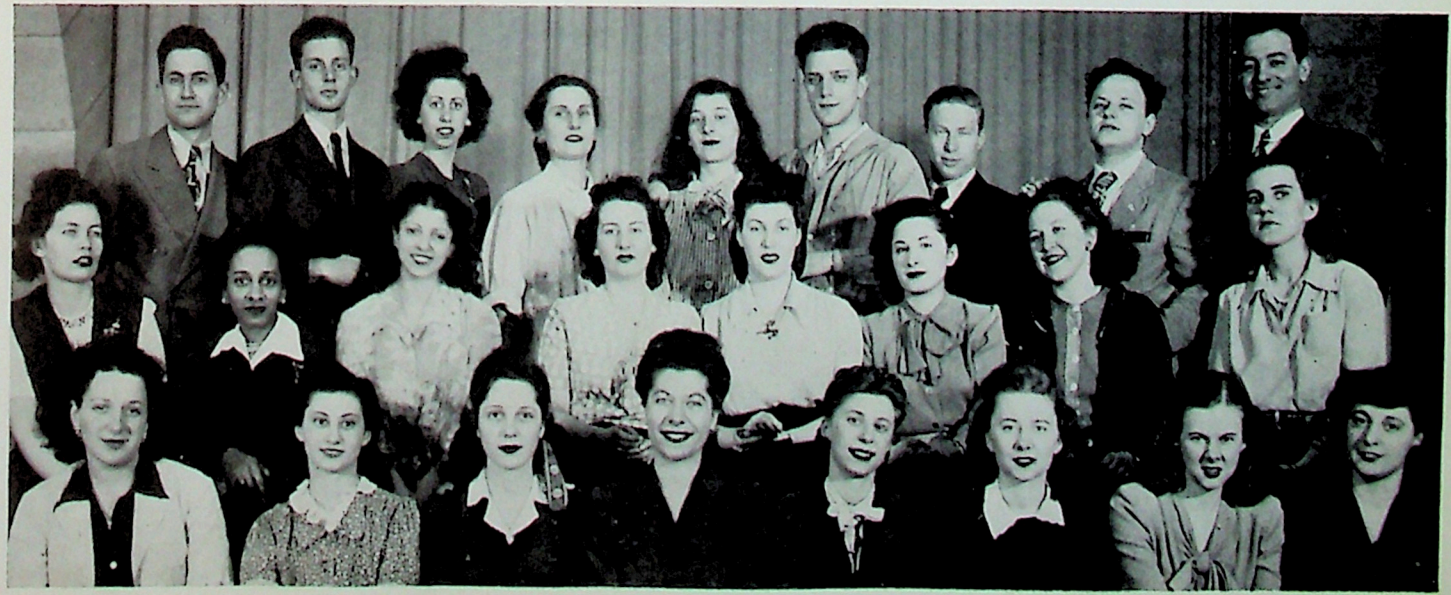
We then realized that the summer vacation had spliced quite a few of our classmates. Joan Zell confused everyone with the addition of Szysk, Lydia and Efrem are Mr. and Mrs. Weitzman and here's something: Shirley Plischner is now Mrs. Provan and Joan Simonyi is now Mrs. Plischner.

The second year kept up our class's habit of being active in school affairs. Leona Lubin is president of the orchestra and Dance Club besides being an organizer of the Night Dance Club. Terry Obermayer is Lunchroom Committee Chairman. Isable Colon is an officer of the Glee Club and Square Dance Club and Priscilla Bender, president of the latter. Betty Morton was Sports Editor of the Pioneer and officer of the Dance Club. This is quite a good record for hard-working artists.

We night students also found how things had changed. The second year lacked some of the joviality of the previous year, but with the foundation course and people taking separate courses, we became good friends with other people we had only known by sight before.

Margie and Jackie thus became acquainted with "Baby" Erler. This trio was to become famous for its raucous laughter along 7th Avenue after ten each night.

The Second Year was the year of the election and Miss Schutz's Donkey and Elephant headed the signatures of Republicans and Democrats. The Second Year also brought the sight of two fragile ballerinas, Mlles. Ferone and Meyers, cavorting in lights with John Erskine. And we will never forget the casualty of Camp Green, Maggi gently falling into the lake while skating.



FRESHMEN

The Freshman classes always leave an impression on dear old Cooper Institute which can never be forgotten.

Is there anyone in the art school who can honestly say he will ever forget the infamous locker 235? This monument to Burgess and Trakis will be remembered as containing among other things, a key to Gold Fish City, Mass., a toolbox holding 537 pins, T-squares, a black rubber eraser, a purple apron and gloves to match, bottle of green soap, and a jug of cheap Buddha perfume to put out fires at Gypsy barn dances.

Then there was Paula Corpas turning the lunchroom into a female Arthur Murray school for engineers, and the night-day school love angle supplied by Muriel Kavanagh and Dale Clark, God bless their little pointed heads.

Bruno, or Bong, was the great realist and seascape painter who struggled to the bitter end with Mr. Delevante on painting techniques. Finally a truce was declared and Bong now paints as he pleases with Mr. Delevante's advice. Dave E. was one of LeRoy's prize students. If he were blessed with three arms he could now have Iturbi on the run. Then we have Kurt and her gal-friends who organized C. U.'s first sorority, and the famous Alphonse who, with his lunchtime trips to his cohorts in the day school, became an honorary day student.

We night freshmen can remember too: examination day, crazy moments of rummaging for an eraser, pen and pencil; registration day, when we new freshmen swam to school in a torrential downpour to be officially welcomed by Dean Clark; the first day in school, the meeting between teachers and students; new friendships, sometimes quartets with Sherry, Edith, Rozzy and Steppy as an example.

Then came the first knowledge of extra-curricular activities, the privileges of voting for the freshman president, which made us feel we really belonged. The introduction to the Pioneer and Cable offices, the trip to Camp Green and the fun, and the Night Dance Club with M. C. Paul Glazer, Carl, Pearl, Charley, juke box music, soda pop and doughnuts as background.

Oh, we've worked! But it's these little things that have relieved the tension of hard study and work; it is these things that we freshmen, day and night, want to look back upon and remember.

THIRD YEAR

We are a unique class, unique in the fact that the majority of us are working right in the fields we are studying. Artists, we are at a premium, which makes us a definitely professional and brilliant class . . . ask our instructors, or perhaps you'd better not. We do claim, however, that Cooper has helped us at our work and our work has helped us at Cooper, a very happy blending, indeed.

We can not be classified as an organized class; we are a unit of many little social groups. Recess constitutes a large part of our social life. One group streaks out of class, during the elastic fifteen minutes of recess, down the three little steps into the sixth floor lounge, there inhaling and contributing to the smoke, din of chatter, laughter, and gaiety. Another group trickles into the third floor library lounge where talking is not allowed and whispers are frowned upon. This group constitutes the unsociable socialites of our class—ardent fans of Esquire. The sixth floor library is not forgotten; as a matter of fact, it is overrun. The chairs are very comfortable and there are so many pretty picture books to look at.

There is the "board of supervisors" group that wanders from one class to another, criticizing the work of the recess-gone artists. Meanwhile the other "bored of supervisors" group goes out usually to Sagamore's and to McSorley's.

Yes, we always strive for that "get away from it all" feeling, yet we know life wouldn't be the same if we really were away from Cooper.

PETER

A BOWERY FABLE

DEDICATED TO GEORGE F. BATEMAN, DEAN OF THE COOPER UNION SCHOOL OF ENGINEERING, BY GUY GAYLOR CLARK, DEAN OF THE ART SCHOOL. SPOTS BY RAYMOND BAXTER DOWDEN.

A mechanic of Manhattan and a good one too
Grew up hale an' hearty on McSorley's brew
Made his money mostly just a-makin' glue
Sorta stuck together, pardner, me an' you
Here we are
Never far
From Peter Cooper's table at McSorley's bar

Peter made a cradle that would fan the flies
Lullaby the baby playin' lullabies
Swapt the rockin' cradle for a one-hoss shay
Peter Cooper's habit was a-makin' hay
Here we are
Never far
From Peter Cooper's table at McSorley's bar

Peter turned a cartwheel for the carriage trade
Made the first machinery was ever made
To level off an' shear a cloth or mow a glade
Rollin' mills to pay his bills an' how he payed!
Here we are
Never far
From Peter Cooper's table at McSorley's bar

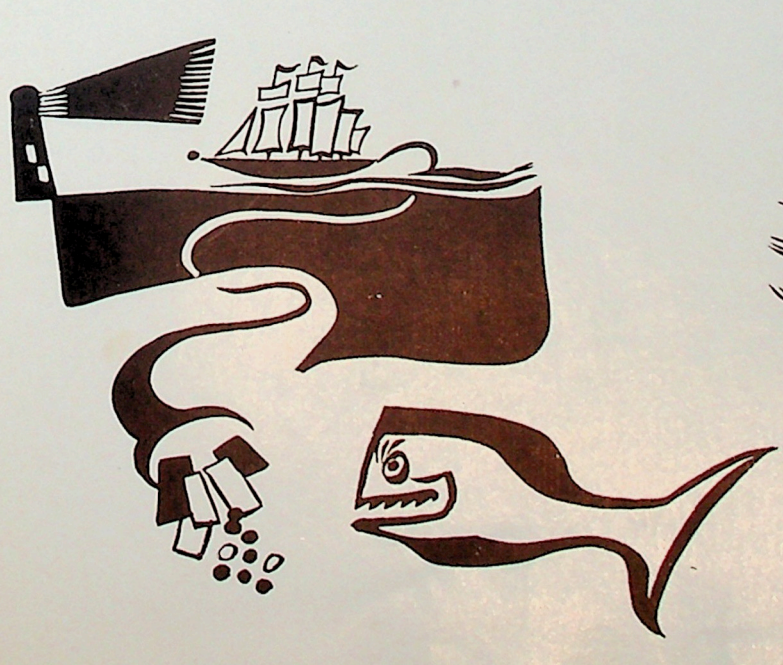
COOPER'S TABLE

Peter made an endless-chain canal boat haul
The horses wouldn't have it on the Erie Canawl
His run-remote torpedo boat wouldn't run at all
But Peter always got up after every fall
Here we are
Never far
From Peter Cooper's table at McSorley's bar

Baltimore was itchin' to go Westward Ho
Peter threw some curves into the B. and O.
Built a locomotive which was not so dumb
Engineers for many years'll cheer "Tom Thumb"
Here we are
Never far
From Peter Cooper's table at McSorley's bar

Peter Cooper's cable was the third unreeled
Most of all the credit went to Cyrus Field
Canny Peter Cooper made the durn thing yield
Is it any wonder that he died well-heeled?
Here we are
Never far
From Peter Cooper's table at McSorley's bar

Peter's disposition was mostly sweet
He had no education but he would stand treat
He put up Cooper Union where the great all meet
An' took up his life preserver to the Judgment Seat
Meet again
Now an' then
An Artist or an Engineer'll tell you when.



sh.

GRADUATE'S FAREWELL

It is hard for the graduate to say farewell after the years of work and fun spent at school. Cooper has been almost like a home to many of us. It will be difficult to remember that hereafter we need not rush to class on time. Yet we have the memories and these we shall carry with us as we begin or continue our lives in our chosen fields.

GRADUATES

THEODORE L. COHEN
Electrical Engineer

JOSEPH J. COUGHLIN
Electrical Engineer; A. I. E. E.; M. A. O.

JOSEPH G. EDRICH
Electrical Engineer

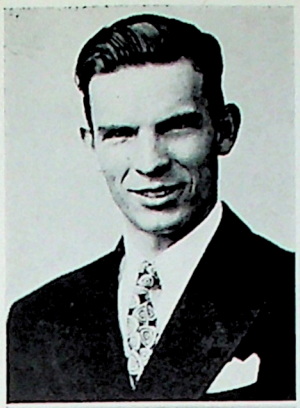
ALBERT F. HOLLOWELL
Mechanical Engineer; M. A. O.

WILLIAM HORODECK
Electrical Engineer

ROBERT KAPLAN
Electrical Engineer; A. I. E. E.

CHARLES W. RIEDER
Electrical Engineer

EUGENE A. ROSENBERG
Mechanical Engineer



LOTHAIR H. ROWLEY
Electrical Engineer

WILLIAM C. SHACHMUT
Electrical Engineer; A. I. E. E.

EDWARD J. SMITH
Electrical Engineer; M. A. O.

JAMES P. TOMANY
Chemical Engineer

FRED L. WAITE
Mechanical Engineer

KURT L. WEIL
Electrical Engineer; A. I. E. E.

JOSEPH B. YESSELMAN
Civil Engineer; M. A. O.

WILLIAM C. ZMACHINSKY
Chemical Engineer

GRACE P. ADAMS
Industrial Design

SHEILA C. BERKELEY
Industrial Design; Class Vice-President; Dance Club

ELIZABETH BROWNING
Fine Arts; Fencing Club

ROBERT S. BURNAFORD
Advertising Design

BERNICE BUSATT
Fashion Illustration; '44 Cable

JULIA C. CERIBELLI
Advertising Design; '45 Cable

ADELINE COHEN
Advertising Design

PAULINE DeTOMASO
Fashion Illustration; '44 Cable; Dance Club

JEAN V. DUNCAN
Fashion Illustration; '44 Cable; Dance Club

MARGALIT EMANUEL
Fashion Illustration

HELEN LEHTO ERWAY
Advertising Design; A. P. Chairman; Pioneer; '44 Cable

JEAN M. FALCON
Advertising Design; '45 Cable Art Editor; Dramatic Club

ELAINE F. FRANK
Industrial Design

LEONARD FRIEDMAN
Architecture

IRMA A. GIUSTINO
Advertising Design

OLGA GLOSSICK
Advertising Design

VIRGINIA ROMANER
Industrial Design

SAM S. RUVIDICH
Advertising Design

SARA SAKALIAN
Fine Arts; '45 Cable; Dance Club; Glee Club

ALVA SCHIFFMAN
Advertising Design

ELISABETH SINGER
Fine Arts

THELMA L. SITZER
Architecture; Dramatic Club President

ALLAN SPEISER
Industrial Design; Class President

FRANK A. STORK
Fine Arts

EUGENIE B. UNGER
Advertising Design; Literary Club

FREDINE VICKERY
Advertising Design; '44 Cable; Dance Club

DONALD D. WISE
Advertising Design; Freshman Handbook

ESTELLE WOLSK
Fine Arts

MORRIS ZELKOWITZ
Architecture

BRUNHILDE ZWASCHKA
Advertising Design

NORMAN AUSTERN
Electrical Engineer; Editor of Pioneer; M. A. O.; A. I. E. E.

PHYLLIS M. BELOUS
Mechanical Engineer; President of Camera Club;
A. S. M. E.

LEO BIRENBAUM
Electrical Engineer; M. A. O.; A. I. E. E.; Pioneer

ROY EASON
Electrical Engineer

DANIEL FRIEDMAN
Mechanical Engineer; A. S. M. E.

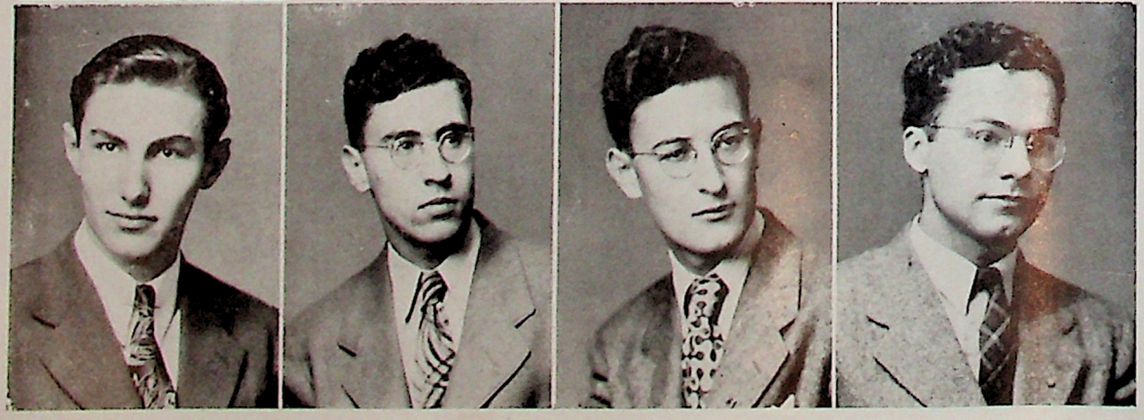
LEONARD B. GOLDMAN
Mechanical Engineer; A. S. M. E.

DION B. HARING
Mechanical Engineer; A. S. M. E.; O. D. P.

CHARLES H. JONES
Chemical Engineer; President of the Student Council and Class; A. I. Ch. E.; L. S. K.; Pioneer

EUGENE N. TORGOW
Electrical Engineer; President of Debating Club; Pioneer

ARTHUR J. ZAHRADNICK
Mechanical Engineer; President of A. S. M. E. (Day); Pioneer; O. D. P.

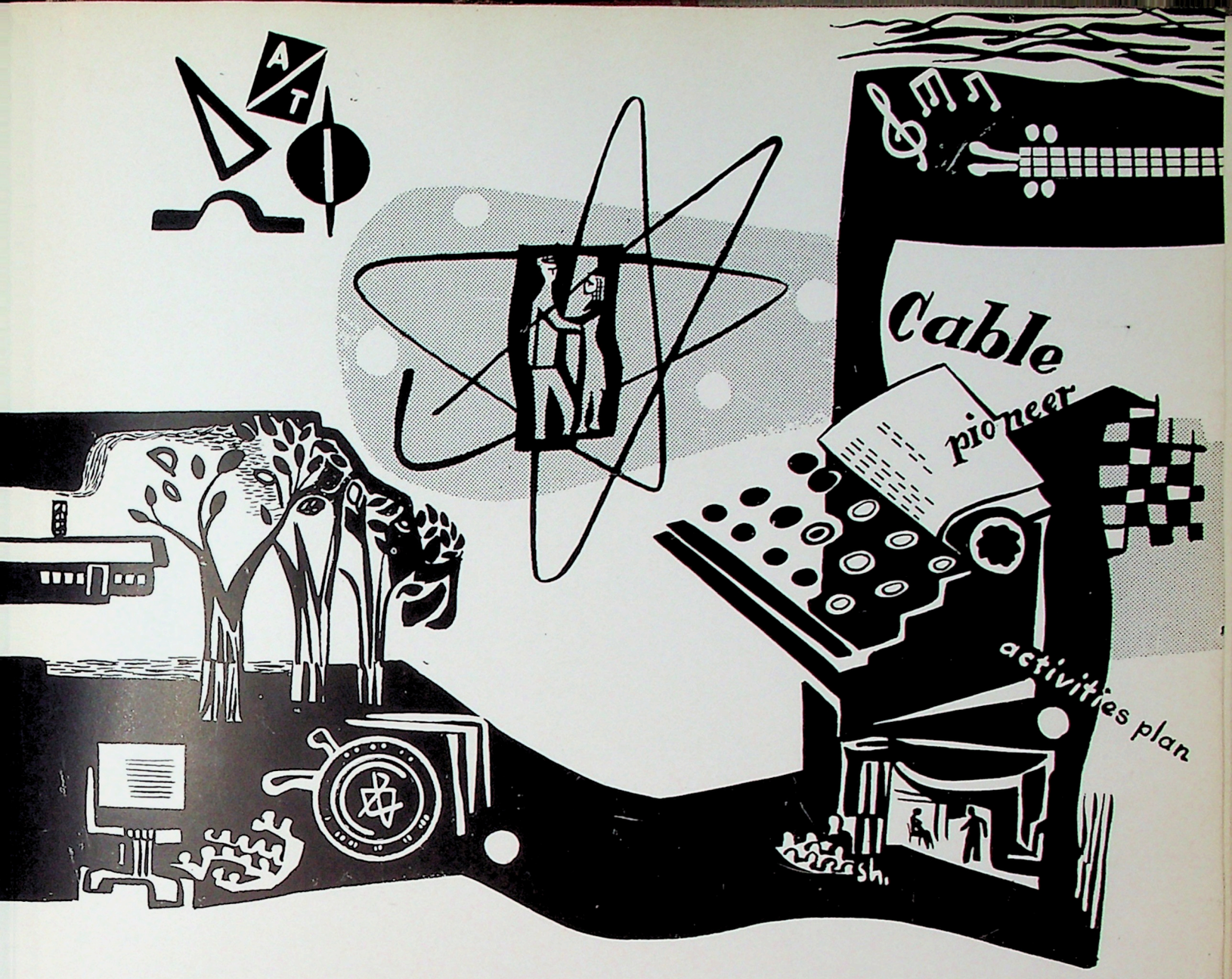


MORRIS ZELENETZ
Chemical Engineer; Pioneer; Dramatic Club; Dance Club; A. I. Ch. E.

REGISTER OF CLASSES

Adams, Grace P.	612 West 144 St., New York 31
Athey, Matthew J.	4741 39 Pl., Long Island City 4
Austern, Norman	1565 Thieriot Ave., New York 60
Belous, Phyllis M.	2379 Creston Ave., New York 53
Berkeley, Sheila C.	117 Kenilworth Pl., Brooklyn 10
Birenbaum, Leo	875 East 180 St., New York 60
Browning, Elizabeth	35-41 94 St., Jackson Heights
Burnaford, Robert S.	9018 50 Ave., Elmhurst
Busatt, Bernice	22 Ward St., Hackensack, N. J.
Ceribelli, Julia C.	1003 39 St., Brooklyn 19
Cohen, Adeline	649 Howard Ave., Brooklyn 12
Cohen, Millicent C.	35 Stuyvesant St., New York 3
Cohen, Stanley	422 Blake Ave., Brooklyn 12
Cohen, Theodore L.	6801 Bay Parkway, Brooklyn 4
Coughlin, Joseph J.	145 West 170 St., New York 52
De Tomaso, Pauline M.	147-26 20 Road, Whitestone
Duncan, Jean V.	161 East 96 St., New York 25
Eason, Roy	1663 Walton Ave., New York 53
Edrich, Joseph G.	246 East 13 St., New York 3
Emanuel, Margalit	749 Ocean Parkway, Brooklyn 30
Erway, Helen Lehto	826 43 St., Brooklyn 32
Fahy, Marjorie	190 Waverly Pl., New York 14
Falcon, Jean M.	1350 Grand Concourse, New York 56
Frank, Elaine F.	120 Van Guilder Ave., New Rochelle
Freedman, Leonard	109 Sterling St., Brooklyn 25
Friedman, Daniel	2032 Creston Ave., New York 53
Giustino, Irma A.	4000 Lowerre Pl., New York 66
Glosick, Olga	353 64 St., Brooklyn 20
Goldman, Leonard B.	1002 Foster Ave., Brooklyn 30
Grossberg, Clara	647 West 172 St., New York 32
Gucker, George B.	1060 Anderson Ave., New York 51
Hagel, Shirley	594 East 170 St., New York 56
Haring, Dion B.	1848 Steinway St., Long Island City

Henderson, Anne M.	3103 93 St., Jackson Heights
Hollowell, Albert F.	8116 Fifth Ave., Brooklyn 9
Horodeck, William	91-01 Lamont Ave., Elmhurst
Jacobson, Rose	417 Ocean Ave., Brooklyn 26
Jaffee, Harry	18 East 199 St., New York 58
Jones, Charles H.	206 61 St., Brooklyn 20
Jones, Ethel V.	21 Jones St., New York 14
Kaplan, Robert	63 West 11 St., Bayonne, N. J.
Kelberg, Leo	1220 Morris Ave., New York 56
Korkes, Frieda	300 East 21 St., New York 10
Kurtz, Lenore P.	4060 Elbertson St., Elmhurst
Lagar, Miriam F.	1 Caryle St., Yonkers
Leoke, Thelma C.	810 Elton Ave., New York 56
Lesser, Anne M.	294 LeRoy Ave., Cedarhurst
Loveman, Bernard D.	719 Coster St., New York 59
Low, Susanne	100 Spruce St., Newark 3, N. J.
Magdits, Anna F.	892 Fox St., New York 59
McNally, Virginia	173 Lenox Rd., Brooklyn 26
Monat, Bernice	3912 Avenue J, Brooklyn 10
Nachsatz, Blanche	328 West 25 St., New York 1
Papendorf, Marie L.	3900 Greystone Ave., Riverdale 63
Pappas, Heidi L.	243 West 18 St., New York 3
Perlmutter, Shirley	173 Weequahic Ave., Newark, N. J.
Pesce, Marie	2736 Colden Ave., New York 67
Rapapport, Libby	481 Eastern Pkwy., Brooklyn 16
Ream, Jeanne	1275 Princeton Rd., W. Englewood, N. J.
Rice, Corinne	187 Tapscott St., Brooklyn 12
Rieder, Charles W.	115 Washington St., Lodi, N. J.
Robinson, Helene E.	925 West End Ave., New York
Romaner, Virginia A.	114-45 138 St., So. Ozone Park 20
Rose, Leatrice	1661 East 172 St., New York 60
Rosenberg, Eugene	42-23 Hampton St., Elmhurst
Rowley, Lothair H.	88-35 236 St., Bellrose
Ruvidich, Sam S.	1704 First Ave., New York 28
Sakalin, Sara	58 Morris St., Yonkers 5
Scherbner, Paul J.	633 East 232 St., New York 66
Schiffman, Alva B.	1521 Sheridan Ave., New York 57
Schwartz, Joseph G.	1593 Sterling Pl., Brooklyn 13
Shachmut, William C.	46 Cherry Lane, Hempstead
Singer, Elisabeth W.	991 President St., Brooklyn 13
Sitzer, Thelma L.	623 Avenue O, Brooklyn 30
Smith, Edward J.	217 Smith St., Brooklyn 2
Speiser, Allan	9202 Avenue A, Brooklyn 12
Sternstein, Shirley	1150 Brighton Beach Ave., Brooklyn 24
Stork, Frank A.	16 Crescent Pl., Ho-Ho-Kus, N. J.
Tomany, James P.	446 Leland Avenue., New York 61
Torgow Eugene N.	284 Avenue P, Brooklyn 4
Tunick, Gwendolen	120 Ocean Parkway, Brooklyn 18
Unger, Eugenie B.	59 Harris Ave., Freeport
Ungerer, Joseph C.	301 East 38 St., New York 16
Vickery, Fredine	90 Hunter Ave., Yonkers 4
Waite, Fred L.	51-01 39 Ave., Long Island City 4
Weil, Kurt L.	219 East 68 St., New York 21
Wise, Donald D.	2710 Avenue R, Brooklyn 29
Wolsk, Estelle B.	221 Linden Blvd., Brooklyn 26
Yesselman, Joseph B.	921 Montgomery St., Brooklyn 13
Zahradnick, Arthur J.	517 East 77 St., New York 21
Zelenetz, Morris	468 East 94 St., Brooklyn 12
Zelkowitz, Morris	1396 Stebbins Ave., New York 59
Zmachinsky, William C.	65 West 192 St., New York 33
Zwaschka, Brunhilde	58-24 219 St., Bayside



ACTIVITIES

ACTIVITIES PLAN

The purpose of the Activities Plan is to coordinate fund raisings for the various organizations; the Cable, the Pioneer, the Annual Dance, and the clubs. In this manner, the funds are more efficiently raised, smaller activities are financed, and the funds are under the control of the student body through the Student Council.

The chairman of the A. P. this year was Helen Lehto Erway. There were at first two treasurers: Bob Klint, and Edmond Trunk who took over when Bob Klint left School. Edmond Trunk did most of the work but was replaced by Arthur Zahradnick when Trunk was drafted. The A. P. could never have done its work successfully if not for the help of many students. A. P. is indebted to Bernice Busatt, Dale Clark, Arthur Foalks, Sonia Kowel, Leona Lubin, Al Normandia, Sara Sakalian, Don Weinblatt and many others. The next year will require more cooperation from the student body if the A. P. is to continue in the future.

Membership to the Activities Plan included two tickets to the Annual Dance. This year's Annual Dance was held in the Florentine Room of the Park Central Hotel on April 21. The dance was well attended with engineering and art students, alumni and servicemen.

The Annual Dance Committee was headed by Claire Rosenman, who was ably assisted by Elliot Kohn, Helen Lehto, and Eve Morgan.

STUDENT COUNCIL

The fact that the Student Council has continued to operate during the past year is quite a feat in itself. Many colleges, suffering from the same small enrollment and lack of student interest in school activities, have given up their student government entirely.

The Council, despite the low attendance, has done a good job of managing school activities. The Summer Council, presided over by Arnold Kelly, brought class elections up to date. The regular Council, presided over by Charles Jones, then appointed Jeanne Ream and Norman Austern as Cable and Pioneer editors.

The Student Council, early in the year, sponsored with the Discussion Club an International Students Day meeting when representatives of China, Britain, Russia and Czechoslovakia spoke. An Honor Roll Committee was formed with Susanne Low as chairman. This committee has done an excellent job of keeping the Honor Roll on the second floor stairway up to date. A "Bundles for Britain" book drive under the chairmanship of Jacob Friedman was also successful in collecting many books for Allied servicemen in the European theatre.

When Charles Jones resigned due to pressure of school work, Jacob Friedman, a freshman, was elected chairman. Other activities of the Student Council included the appointment of Leona Lubin as next year's Activities Plan Chairman, an attempt to start the A. P. drive early next year, and work on the 1945 Freshman Handbook, edited by Beatrice Kopelman, Al Normandia and Charles Jones.

These activities are under the control of the Student Council, yet if the students are to retain an active voice in their own extra-curricular work, they must see to it that an active Student Council continues to exist.

INTRAMURAL SPORTS

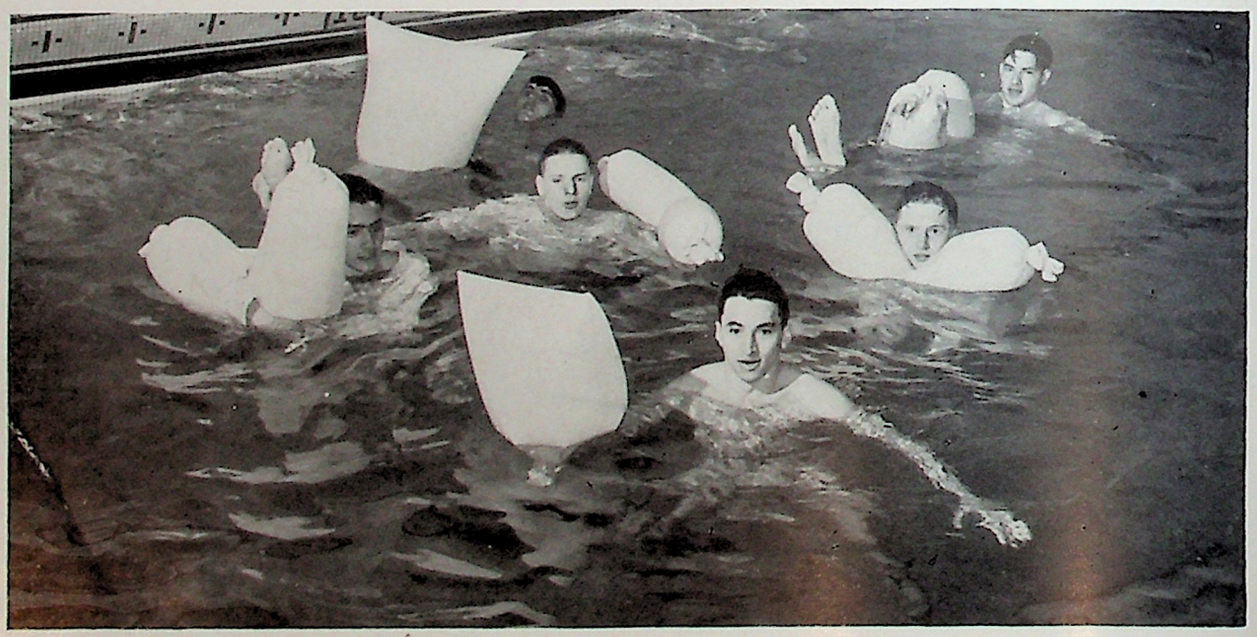
During the past year, tournaments in baseball, swimming, touch-football, basketball, bowling, and ping-pong were conducted. These tournaments were dominated by the Quarter Four teams. Starting with the second baseball tournament, these self-named Beavers went on to sweep the rest of the tournaments without the loss of a single game. The key to their success was their ability to play as a unit, combined with their unbeatable will to win. They were sparked by their star Nazarewicz, who was ably supported by Reiffen, Saltz and Schwartz. With this nucleus, and the complete support of the rest of the class, the Sophs built their winning teams.

The next tournament was that of touch-football, which was bitterly contested. The Beavers tough line of Saltz, Leventer, and Rifkin dominated the play, and paved the way for the backs, Nazarewicz, Polyn, and Silverman. The highlights of the season were the 6—6 and 0—0 ties between the Sophs and the Frosh, and the 33—0 beating handed the Art school by the Sophs.

The basketball tournament only had three teams entered, so a double round was played. Sparked by Nazarewicz, the Beavers beat the Freshmen 21—19, the winning basket was scored by the Navy-bound Arthur Schwartz.

The January-March Quarter saw the O. D. P. pledges beat all comers in this year's bowling tournament. Their opponents were L. S. K., the Pioneer staff, Q7-8, and Q3.

These tournaments were run in a competent fashion thanks to the managers. In January, Joe Palamara succeeded Jones as President of the A. A. and Don Weinblatt became the new Vice-president, while Zelenetz remained as Secretary. As in the past, the A. A. was capably advised by Professor Roemmele.



a. i. e. e. NIGHT

TOP ROW: Nathaniel R. Dover, William C. Broderick, William Shachmut. MIDDLE ROW: Stanley Meyers, Jack Sobol, Alex C. Scott, Stanley B. Ost, Joseph J. Coughlin, Kurt L. Weil. FIRST ROW: Abraham N. Wise, Robert Kaplan, Benjamin Stopek, Matthew J. Herson.

a. s. m. e. DAY

TOP ROW: Daniel Friedman, David Yampolsky, Dion Haring, Milton Levine, Leslie Bernd, Abraham Reiter. FIRST ROW: Evelyn Kern, Leonard Goldman, Arthur Zahradnick, Phyllis Belous.

the cooper union
student publication

The Pioneer

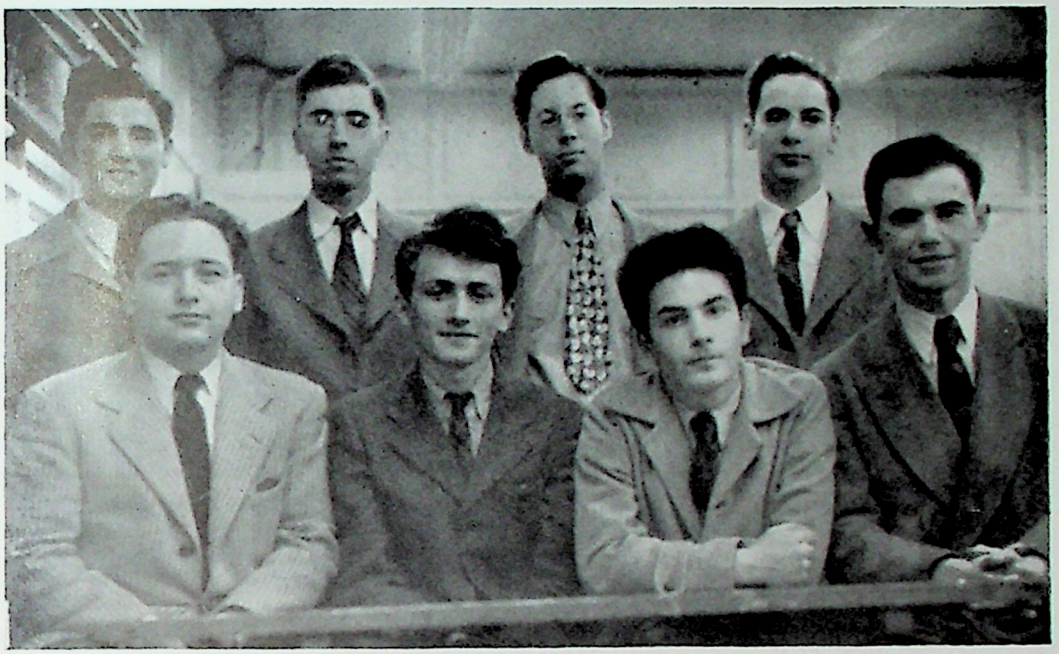
The product of The Cooper Union's journalistic attempts is the PIONEER. And the newspaper staff is the most inexclusive fraternity in the school and room 114c is its clubhouse. Most anyone who wanders along can stop off in the PIONEER office to park his books, or his coat, or his bones, and say "hello." Although the occasional visitor admires the art on the walls, the accustomed dweller is hardened to it; for the office walls are plastered with draft notices, stale jokes, photos of the dear departed, old cartoons, and Eve. An oasis of sloppiness in the school, this room is used as the favorite hangout of many, many characters.

At times the office is used for newspaper work. Then the most difficult job in getting out the PIONEER, next to getting copy, is clearing the office of all but working staff members. On these fortnightly Friday nights, the holy cubicle is crowded with sundry typists and reporters busily working on copy, and sundry engineers busily working on the typists and reporters. Often the editors just look at the mess, give up, and retire to another room.

Staff members, and their friends, and their friends' friends, and casual passers-by get together from time to time for the huge Lambda Tau parties held at the Alumni House. How Lambda Tau, honorary fraternity of the Pioneer, can hold parties with an attendance of fifty is easy to discover. Its three members simply invite half of the school. The other half, which includes the Cable staff, comes anyhow. So everyone goes crazy together!

A perpetual madhouse, the paper is produced about every two weeks. After each edition, the staff surveys the mess on the floor and the clock, and says "Never again." Then they come right back to do it again.

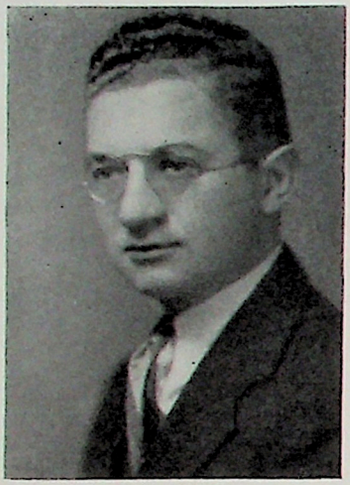
LAMBDA SIGMA KAPPA



TOP ROW: J. Machlis, C. Jones, S. Macklis, D. Weinblatt. FIRST ROW: D. Pearlman, W. Shanahan, A. Ingberman, J. Bentkowsky.

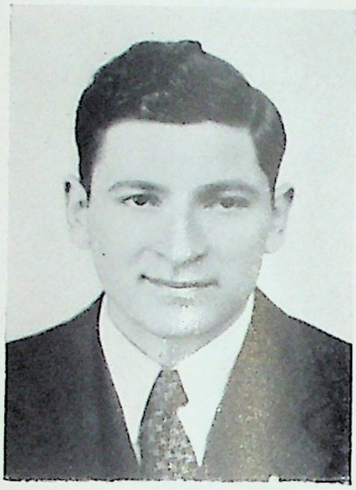
In 1905 a group of students of The Cooper Union founded Lambda Sigma Kappa in order to weld themselves into an everlasting brotherhood. Following tradition, the fraternity will continue to foster and inspire scholarship, hand in hand with character and fraternalism. Together with non-sectarianism, these characteristics form the basis of the Fraternal Code. The high tenor of this code has been preserved and maintained by inducting new members only after a rigorous and thorough pledgeship has proven them worthy. The fruits of this practice are evidenced by the enviable record established by the brothers of Lambda Sigma Kappa in all phases of activity.

ALUMNI ASSOCIATION



S. Martin Noble, President

Charles Giraud, 2nd Vice President



S. Louis Morrison, Editor

The Alumni Association is in its fifth year of confederation; and is a coalition of all the previous section associations of alumni of the various classes of The Cooper Union Institute. We proudly display the splendid progress we have so rapidly made. From an inauspicious start of representatives in the Student and Graduates Room in the Hewitt building to our present club house at 313 West 53rd Street in Manhattan, many difficulties have been overcome and obstacles surmounted.

We are now pointed along the road of educational progress and social development of our membership and of The Cooper Union and its student body.

Seeking these ends, we are ever mindful of the ideals of the Founder; and all our undertakings are planned with them in view.

We have established in our club house an excellent school for graduate engineers for the purpose of assisting them in obtaining their professional licenses. The chairman of this committee is Mr. Joseph Rofman, an experienced engineer of the class of 1928.

We have an exceedingly fine monthly lecture program which many alumni attend and at which alumni prominent in their particular fields discuss the newest phases, theories, and practices used in present-day engineering, chemistry and architecture.

The chairman of the Lectures Committee is Mr. Charles Goodman, a well-established engineer of the class of 1905.

Our employment service has been firmly established with many engineering and manufacturing companies so that post-war activity will find us prepared to place our members in their chosen fields of endeavor. This important work is handled by our competent executive secretary, Miss Mildred Zadek, who has made a study of employment and placement.

These are only three of the many services offered to the Alumni of The Cooper Union through the Alumni Association.

The facilities at the club house include a game room and lounge, besides presenting a mailing address in New York for those of our members who would find it a convenience.

It is a far cry from the activities of the individual societies which met on occasion for social purposes and to transact their business. Our association has education and social welfare as part of a well formulated program.

It is inevitable that with the growth of our organization and the expansion of our program the need for individual activity in assisting us in the furtherance of our aims becomes pronounced.

We therefore invite the new graduates to join us with the assurance that their services to the Alumni Association will be greatly appreciated, and with the further assurance that they themselves will enhance their own mode of living by the contacts they form from the Alumni Association in friendship and knowledge.

S. Martin Noble, '35 ..... President

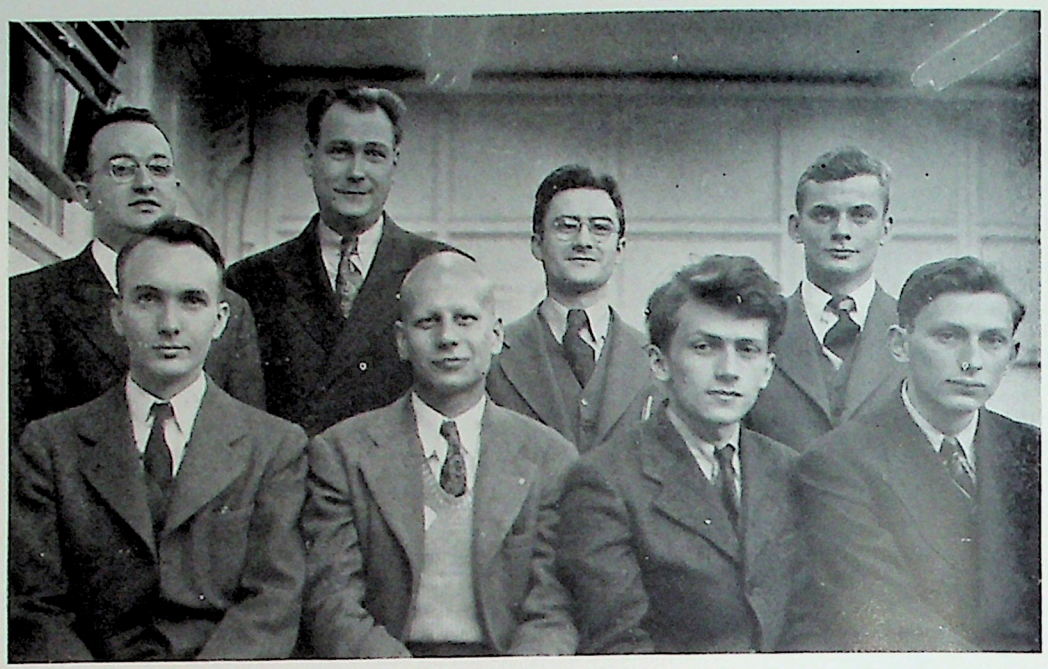
Joseph Rofman, '28 ..... 1st Vice-President

Charles Giraud, '08 ..... 2nd Vice-President

Walter Christ, '43 ..... Secretary-Treasurer

S. Louis Morrison, '43 ..... Editor

Mildred Zadek ..... Executive Secretary



TOP ROW: F. Hauck, G. Gucker, W. Widmer, A. Hollowell. FIRST ROW: E. Smith, N. Austern, W. Shanahan, L. Birenbaum.

STUDENT MEMBERS

Norman Austern
Leo Birenbaum
George B. Gucker
Frank F. Hauck
Albert F. Hollowell
Wilber J. Widmer
Joseph B. Yesselman

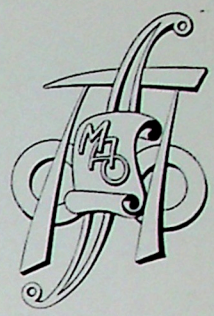
MU ALPHA OMICRON

HONORARY MEMBERS

Dr. Edwin S. Burdell
Prof. Norman L. Towle

FACULTY ADVISOR
Prof. Frederick H. Miller

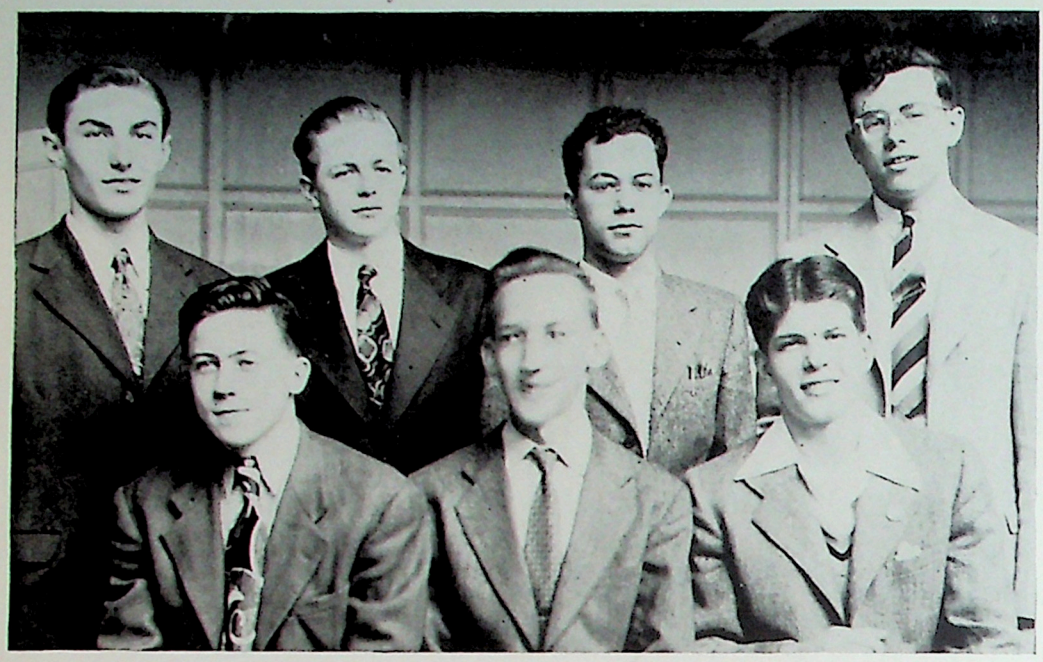
MU ALPHA OMICRON



In 1926, the faculty commissioned five outstanding seniors to found a society to afford recognition to students of high scholastic ability who possessed such integrity of character and breadth of vision as commanded the respect of their associates. This resulted in the establishmentof Mu Alpha Omicron, the Honor Society of The Cooper Union School of Engineering, which, since 1940, has listed both day and evening students among its fratres. The activities of Mu Alpha Omicron have included the awarding of cash prizes to encourage improvement in scholastic performance and to stimulate interest in extra-curricular activities, and the very successful program of summer tutoring. Tutoring for fall reexaminations was begun in 1940, and so increased the percentage of passing grades on these reexaminations as to receive gratifying commendation from the faculty. Since the suspension of Day School summer vacations, this service has been confined to the Evening School, in which, this past summer, all those who availed themselves of the instruction passed the reexaminations. Tutoring for Day School reexaminations will probably be resumed this summer when the Day School returns to the normal school year.

Once each year, the society inducts new members at a formal induction dinner. This dinner furnishes an excellent opportunity for student and graduate members of both Day and Evening Schools to meet each other and exchange ideas. At the last induction dinner, the many Beta members present told of their experiences since leaving The Cooper Union. Dean Bateman suggested that other, informal meetings be held at which students and graduates could get together more frequently.

The Mu Alpha Omicron has outlined a program for the future which should continue its high standard of service.



TOP ROW: D. Haring, S. Krumbholz, A. Zahradnick, F. Miner. FIRST ROW: R. Foss, E. Trunk, T. Hein.

Omega Delta Phi was formed in 1903 by a small group of young students to provide a means for social life, as a relief from the dull routine of a mere academic existence. In the more important consideration, the fraternity was organized and functions today as a brotherhood strengthening and preserving the friendships it fosters. The fraternity rooms are located near the school at 4 St. Marks Place, and their ample facilities for recreation take up many of the few spare moments of hard-working engineering students.

The school year is still filled with social events, though not on the pre-war scale. Along with dances, smokers, and parties, a freshman reception is held each year at which new men are pledged and introduced to fraternal ideals.

Despite the war and its drain on manpower, the fraters have managed to completely decorate the rooms during the past year, from the spacious library to the well-equipped gaming room. The ravages of the occasional horseplay of the fraters were thus repaired. Under the scholastic strain, levity gives way to more serious study and the blackboard becomes much used.

Fraternal ties are the sauce to any dry collegiate career. The fuller enjoyment of living which results serves to broaden one's entire life.

Cooper Union Library

FRATRES IN COLLEGIO

Jules L. Chaboty
Robert J. Foss
Dion B. Haring
Theodore C. Hein
Stanley G. Krumbholz
Frank W. Miner, Jr.
Edmund G. Trunk
Victor C. Williams
Arthur J. Zahradnik
Robert V. Klint
Dominic Santogrossi

CHAPTERS

Alpha—Cooper Union Night
Beta—Brooklyn Polytech
Gamma—N. Y. U. Commerce
Delta—Cooper Union Tech
Epsilon—Brooklyn College

FRATRES IN FACULTATE

Prof. Kenneth E. Lofgren
Prof. Raymond J. Kunz
Charles E. Schaffner
Otto C. Puller

OMEGA DELTA PHI

FRATRES IN SERVICIO

Charles T. Alverson, Jr.
John E. Barth
Donald J. Butler
*Edward S. Church
Henry E. Cook, Jr.
Raymond Dahl
Charles Damm
Steven Einig
Charles A. Erway
George Everson
Joseph Fegan
Robert Fredericks
John J. Fulleylove
Panos Galidas
Craig Garretson
Sherman Glass
John Harrington
Raymond H. Horky
Frederick Horn
Ernst Juhl
Arthur E. Kelman
Frank L. Koniges
Walter Koroshetz
Byron Ledgerwood
Frank Lefeber
Thomas E. Lonergan
Walter Ludwick
Bernard McLaren
Jack Meng
Charles Merz
Howard E. Miller
William Moore
John Nichols
Edward Norman
Emidio Peluso
Clifford Peterson
Kenneth Petry
Robert D. Rice
Charles H. Rohrs
George Rolly
Frank E. Rom
John C. Schmitt
William F. Schmitt
Joseph E. Sieffert
John J. Smith
Frederick Urban
Francis J. Walsh

CLUBS

ORCHESTRA

The Cooper Union Orchestra, consisting of four violins, two trumpets, four saxophones, one viola and one piano, has been rehearsing Tuesday evenings since last November, when it was organized. They made their debut in the performance of "Out of the Frying Pan," given by the dramatic society last December. Three of the musicians are members of the faculty—Miss Lange, Mr. Salma, and Prof. Roemmele. Prof. Roemmele conducts and plays the viola. The chief complaint of the members is that they lack a drummer to put rhythm into their music and liven it up. Their plans for the future include learning how to play "I'll Walk Alone" the right way. They intend to expand and improve, and have some more of those interesting "jam" sessions.

DEBATING SOCIETY

The Debating Society is the only organization in The Cooper Union which participates in intercollegiate competitions. It all started in 1941, when West Point challenged Cooper Union to a debate. Dr. Churchill assembled a team, and we lost. But from that start the debating society emerged. During this season debates were held with Stevens Institute, West Point, Penn. State, and several Metropolitan schools such as N. Y. U. and Columbia. In addition, radio debates with N. Y. U. and Columbia were broadcast over W. N. Y. C.

Only two decisions were obtained on these debates. The West Point debate, on compulsory labor arbitration which Cooper opposed, was lost. The Penn. State debate, on whether the United States should maintain a hands-off policy in liberated areas, was won. The season is still under way, and more debates, including some radio discussions, are planned.

LITERARY SOCIETY

Under the supervision of Dr. Buckingham of the Humanities Department, Cooper's budding authors meet to discuss writing techniques, read manuscripts, and publish their best poetry and prose, a collection which they call "Pen Tracks."

GLEE CLUB

The Glee Club consists of several good voices and many others, under the direction of Mr. Raddin. During the year, this organization of music lovers performed at the faculty wives' tea. The Glee Club had plans for putting on a Gilbert and Sullivan operetta but due to a declining membership (school work was beginning to catch up with the members) this was impossible. However they still hope to present a program consisting of songs from Gilbert and Sullivan operettas.

NIGHT DANCE CLUB

The night of January 12th was a memorable one for Cooper, for it was on this date that the Night Dance Club was organized. It was organized at the request of many evening students and has been very successful. The dances, held by the club at regular intervals, offer refreshments, the latest music, entertainment by students, and an opportunity to forget schoolwork for a few hours. The small admission price charged by the dance club pays for the refreshments and an attendant for the lunchroom, and the surplus is used to buy records for the phonograph.

TOM PAINE CLUB

The Discussion Club, or, as it is officially known, the Tom Paine Club, was organized at the end of last year to stimulate interest in the important events of the day.

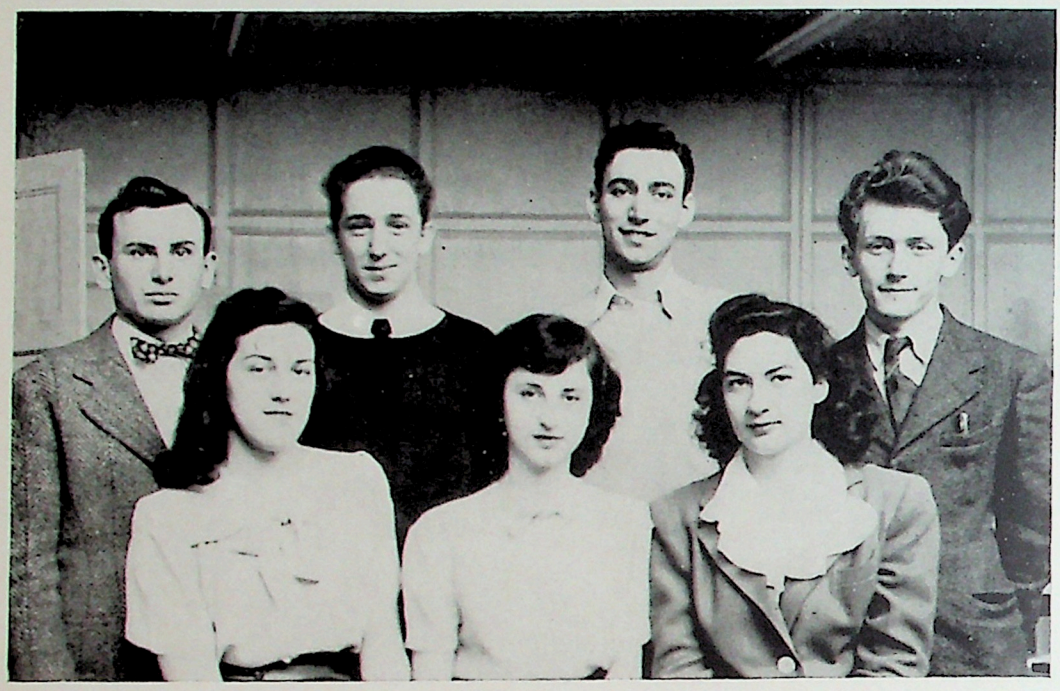
During the year, many interesting discussions were held. Among them was a heated pre-election debate on election issues. The best-remembered event was the Students' Day rally held November 20, to commemorate the massacre of Czech students by the Nazis in Prague in 1939. Among the speakers was a Red Army Captain, a hero of the battle of Moscow. The discussion was about the handicaps faced by students in other countries, and what they are accomplishing to further the war effort.

The Tom Paine Club is planning to continue its program of discussion on timely topics.

PSYCHOLOGY LECTURES

In response to student requests, the Humanities Department sponsored a series of lectures on psychology and sociology, conducted by Dr. Link and Dr. Churchill. These lectures were very popular and well attended. They covered various phases of psychology such as competition in rats and cats, experimentally produced neurotic behavior in rats, schizophrenia, shock therapy, and aphasia. These lectures were supplemented by interesting films.

NEWMAN CLUB



TOP ROW: S. Bruno, J. Ulio, J. Palamara, W. Shanahan. FIRST ROW: V. Bonardi, R. Serrapica.

The Cooper Union Newman Club was formed in 1923 for the promotion of religious, educational, and social activities. It presents to all students an excellent opportunity to meet others whose interests and ideals fall in the same general class.

In the course of fifty-two years, over two hundred and fifty such clubs have been established throughout the United States, its territories, and Canada.

This year we have combined our monthly breakfasts and socials with the N. Y. U. Newman Club. Dancing, skating and bowling have been some of the most popular social activities. We also have informal monthly meetings and biweekly discussion groups conducted by our Chaplain, Father Leonard Hunt. He has endeared himself to the club through his helpful suggestions and sound advice.

Provinces in the various sections of the country carry on the work of the national body. The Cooper Union Newman Club is an active member of the New York Province. This year's main event was the Annual Convention of the Newman Clubs of the New York Province.

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